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The Urban District Council of Formby.



# Annual Reports

OF THE

# Medical Officer of Health

AND

# Sanitary Inspector

For the Year : : 1937.





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# ANNUAL REPORT FOR 1937.

HEALTH DEPARTMEN'I,

COUNCIL OFFICES,

FRESHFIELD ROAD,

FORMBY.

APRIL, 1938.

To the Chairman and Members of the Formby Urban District Council.

GENTLEMEN,

I have the honour to submit my Annual Report on the Health and Sanitary conditions of your District for 1937.

For the first ten months the district was exceptionally free from the infectious diseases notifiable under the Infectious Diseases Notification Acts and Regulations, 1889, 1918 and 1927 and the Public Health (Tuberculosis) Regulations, 1930. During the last two months a slight epidemic of Diphtheria occurred which affected chiefly the children attending one school. Five cases were of the Laryngeal type, but the majority were fairly mild. Of the Laryngeal type, two died.

The total number of cases notified under the above Acts and Regulations was 44 and 14 respectively, total 58, an increase of 26 upon last year. The average for the past five years is 40.8, and a rate for the year of 6.7 per thousand of the population.

With the exception of Whooping Cough the district has been fairly free from non-notifiable infectious diseases. There have been a few cases of Measles, but nothing abnormal,

and no statutory school closures were necessary.

All new residents at St. Peter's College are immunized against Diphtheria, and the boys at St. George's Industrial School have also been immunized. A number of boys attending two private schools in the district have been immunized; and during the latter part of the year 476 children attending the elementary schools were immunized. In a number of cases private practitioners have carried out immunization.

The various Acts and Regulations relating to Infectious Diseases have been carefully followed. The hospital accommodation provided by the Bootle Corporation under agreement, is very satisfactory, and the removal of patients is carried out very efficiently. The District has been carefully inspected and the sanitary condition is fairly good. Of course, there are faults and a great many have been, and many more will be, eliminated as the sewers are extended.

of the Mersey, north of the River Alt, and approximately mid-way between Liverpool and Southport. It has on its southern, eastern and northern boundaries agricultural land throughout their entire length. The greater portion of the eastern boundary is formed by Downholland Brook, which empties into the River Alt, and this brook takes practically the whole of the surface water drainage of the District. The District is rather scattered, and the chief development is on the eastern side of the L.M. & S. Railway, which runs through the centre of the District, due north and south.

The configuration of the District is flat and the subsoil is drift sand.

The major portion of the land in the district is as yet undeveloped, and this provides abundance of open space. There are two golf clubs in the district, comprising 555 acres, a football field and a cricket field which, along with other areas, have been scheduled as open spaces in the Council's Town Planning Scheme. The open space known as open space No. 5, in the Council's Town Planning Scheme, has been acquired by the Council, who have approved a scheme for the layout of playing fields. The work is nearing completion and is a great asset to the district. A very artistic pavilion has been erected and public conveniences, a bowling green and minature golf course have been constructed and pitches set aside for football, cricket and baseball. Tennis courts are to be laid in the near future.

This open space is close to Formby Station, and its boundaries are: on the North, Duke Street, on the West, Kings Road, on the South, Phillips Lane, and on the East. Duke's Farm. Its area is approximately 12 acres.

The social conditions are very good. The District is purely residential; there are no slums areas and from the

information now available there is very little overcrowding. The Council's Housing Schemes have done much to relieve the Housing question, and the position at the present time appears to be very satisfactory. The total number of Council Houses is now 86; Parlour type 14, Non-parlour type 72.

There is no staple industry, and the major portion of the population is engaged in business or employed outside the District. There are two excellent Golf Courses, mentioned above, and other splendid facilities for recreation.

During the year 107 births were registered (59 males and 48 females), giving a birth rate of 12.5 per thousand of the population.

Last year the births numbered 101, giving a birth rate of 11·7 per thousand of the population. This shows an increase for the year 1937 of 0·8 per thousand of the population.

The number of deaths during the year numbered 103 (55 males and 48 females), giving a crude death rate of 12·0 per thousand of the population. Last year the deaths numbered 114, giving a crude death rate of 13·2 per thousand of the population. This shows a decrease for the year 1937 of 1·2 per thousand of the population.

The birth rate for the year exceeds the death rate by 0.5 per thousand of the population, and the average age at death (infants under 12 months excluded) was 62.3.

I am, Gentlemen,

Your obedient Servant,

M. G. GARRY, L.R.C.S., L.R.C.P., L.M.,

Medical Officer of Health.

#### THE URBAN DISTRICT OF FORMBY.

# Annual Report of the Medical Officer of Health

FOR THE YEAR 1937.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area in acres—7,308

Population (Census 1931)—7,957. Estimated resident population, (middle 1937)—8,529.

Number of inhabited houses (Census, 1931)—1,955.

Number of inhabited houses end of year 1937, according to Rate Book—2,355.

Rateable value, £76,967. Sum represented by a penny rate, £300.

#### VITAL STATISTICS.

Live Births	(Legiting) (Illegit	mate)	Total. 103 4	Male. 57 2	Female. 46
		Total	107	59	48
Still Births Deaths	• •	• •	4 103	3 55	1 48

Birth Rate per 1,000 of the estimated resident population—12.5.

Rate per 1,000 Total (live and stillbirths) Births—36.

Crude Death Rate per 1,000 of the estimated resident population—12.0.

Deaths from diseases and accidents of pregnancy and child-birth—

	• •	• •	1
From other Puerperal causes	• •	• •	
Total			1

Death rate of Infants under one year of age :-

All infants per 1,000 live births—112.

Legitimate infants per 1,000 legitimate live births—116.

Illegitimate infants per 1,000 illegitimate live births—

Deaths from Cancer (all ages) -15.

- " Measles (all ages) nil.
- ", Whooping Cough (all ages) -2.
- " Diarrhoea (under 2 years of age) —nil.

•	E		R 1,000 OF ED POPULATIO	on. M		ernal ty Rati	Rate cf E deaths
	Live Birth rate.	rate.	Death rate from Tuberculosis of Respira- ory System.	from		Live	under 1 year. per 1000 Live Births.
Mean of 5	years						
1932-1936	11.8	11.4	0.63	1.48	4.16	4.04	46
	.11·7 .12·5		0·93 0·46	2·09 1·75	Nil. 9·34	Nil. 9:00	29 112
Increase or in 1937	Decr	ease					
-		+0.6	-0.17 +0	.27 +	5.18 +	+4.96	+66
Previous year -	+ 0.8	-1.2	<u>-0.47</u> -0	)·34 +	9.34 -	+9.00	+83

The death rate shown above and used in the calculations on the preceding pages is the Crude Death Rate. For comparative purposes the Crude Death Rate should be multiplied by the Comparability Factor to make it comparable from a mortality point of view, with the Crude Death Rate of the country as a whole or with the mortality of any other local area, the Crude Death Rate of which should be similarly modified with its own factor for the purpose.

The Comparability Factor supplied by the Registrar General for the Formby Urban District is 0.94, therefore the adjusted death rate for comparative purposes would be  $12.0 \times 0.94 = 11.2$ .

# GENERAL PROVISIONS OF HEALTH SERVICES IN THE AREA.

#### HOSPITALS.

SMALLPOX AND OTHER INFECTIOUS DISEASES.—There is no Infectious Diseases Hospital in the District, but an arrangement has been in force for many years whereby cases were received in the Bootle Infectious Diseases Hospital. The agreement with the Bootle Corporation provided for the reception of all Notifiable Diseases with the exception of Smallpox, into the Isolation Hospital, Linacre Lane, Bootle, and for the reception of Smallpox cases into the Liverpool Corporation Smallpox Hospital, Sparrow Hall, Fazakerley. For Infectious Diseases other than Smallpox there was no retaining fee and no beds were reserved. Cases were received if accommodation was available. In the case of Smallpox there was a retaining fee, and the agreement provided for the reservation of one bed for each ten thousand of the population with a minimum of five beds and additional beds to be provided subject to the necessary accommodation being available.

Under the Local Government Act, 1929, Section 63, the Council have entered into a new agreement with the Bootle Corporation, subject to the approval of the Minister of Health, which provides for the reservation of five beds for Infectious Diseases other than smallpox. The existing arrangements for Smallpox remain.

- Details of charges under the agreement with Bootle Corporation for all Notifiable Diseases other than Smallpox and for Smallpox, are as follows:—
- Retaining Fee (Smallpox) £2 per thousand of the population with a minimum of £10. Fee paid for the year 1937, £16 0s. 0d
- Maintenance in Hospital (Smallpox), £4 4s. 0d per week plus cost of conveyance at the rate of 2/6 per mile calculated according to the distance travelled after the ambulance leaves the Liverpool Corporation Depot until its return thereto.
- Retaining fee (Other Infectious Diseases) £75 per annum based upon the capital cost of Bootle Hospital less the capital cost of the Tuberculosis section.

- Maintenance in Hospital is £2 2s. 0d. per week, plus cost of converance as given below.
- Removal of patient any week day except Saturday, between the hours of 7 a.m. and 3 p.m., and on Saturday between the hours of 7 a.m. and 11 a.m.—£1 5s. 0d. per journey.
- Removal of patient at any time other than stated above—£1 17s. 6d. per journey.
- Tuberculosis.—Administered by the County Council. Tuberculosis Dispensary—7, Claremont Road, Seaforth.
- MATERNITY.—There is no Maternity Hospital in the District, but the Liverpool Hospitals are available.

AMBULANCE FACILITIES:—

- (a) For infectious cases Bootle Corporation Motor Ambulance.
- (b) For non-infectious cases—provided by Hospital; For accidents—provided by the County Authority through the Police.
- Professional Nursing in the Home.—The Local Authority have not provided any home nursing. There are two District Nurses who work under the District Nursing Association. They are not subsidized by the Local Authority.
- MIDWIVES.—The number of midwives practising in the District and on the County Register, 31/12/37, is four.
- Public Assistance Institutions.—There are no Public Assistance Institutions situated in the District. The District of Formby is in the area provided for by the Lancashire County Council Public Assistance Institution and Infirmary, Ormskirk.
- Nursing Homes.—There are two Nursing Homes in the District registered under the Public Health Act, 1936:—
  Ivy Bank Nursing Home, Elson Road, Formby.
  "Lynwood," Church Road, Formby.
- Bacteriological Work.—Swabs, and specimens are submitted for examination to both the Public Health Department Manchester University, and the Public Health Department, Liverpool University.
- No. of specimens examined in 1937— Sputum 2. Throat Swabs 34. Water 1. Blood 1. Milk 3.
- DIPHTHERIA ANTITOXIN.—A supply is maintained at both Mr. Clague's, Chemist, Chapel Lane, Formby, and Mr. Hulm, Chemist, Old Town Lane, Formby. The supply is very satisfactory, and prompt use has been made of same.

# CAUSES OF DEATH IN FORMBY URBAN DISTRICT 1937.

(	Causes of Dea	th (Civ	vilians	only).	M	ales.	Females.
	All Causes		• •	• •		55	48
1.	Whooping Cou	ıgh				1	1
2.	Diphtheria					1	1
3.	Influenza			****		3	1
4.	Encephlitharg	gica					$\overset{1}{2}$
5.	Tuberculosis	of Resp	piratory	y Systen	n	2 8	$\frac{2}{7}$
6.	Cancer						,
7.	Diabetes			****		$\frac{1}{2}$	4
8.	Cerebral Hær		ge			13	8
9.	Heart Disease	es				3	3
0.	Other Circula	itory L	)iseases	****		3	$\frac{3}{2}$
11.	Bronchitis				• • • •	3	2
12.	Pneumonia (					$\frac{3}{2}$	<u>-</u> .
13.	Peptic Ulcer						
14.	Other Liver	Disease	es	****		1	1
15.	Other Digest	ive Dis	seases			1	1
16.	Ac. Chr. Nep	hritis	•• ••			Ţ	1
17.	Puerperal se	psis				4	3
18.	Con. deb. pre	em. bir	th, etc	•		$\frac{4}{2}$	
19.	Suicide			1		1	2
20.	Violence, oth	er tha	n Suici	de		9	5
21.	Other define	d disea	ises			2 1	
22.	Ill defined or	r N. K	•			1	
	Deaths of In	fants 1	ınder 1	year-		П	5
			Tot	al		7	5 5
				itimate		1	0
			Ille	gitimate			
						<b>5</b> 0	40
	Liv	e Birtl		tal		59	
				gitimate		57	
			Ille	egitimat	e	2	2
							7
	Sti	ll Birtl	hs—To	tal	****	3	1
			Le	gitimate		3	Ţ
			Ille	egitimat	e		

Adoptive Public Health and other Acts Adopted by the Formby Urban District Council.

Public Health Acts (Amendment Act), 1890. Adopted August, 1906, Parts I., III., III. and IV.

Infectious Diseases (Prevention) Act, 1890. Adopted August, 1906.

Private Street Works Act, 1892. Adopted March, 1906.

Public Health Acts (Amendment Act) 1907.

Sections 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 and 33 comprised in part II.

The whole of parts III., IV. and V.

Section 80 of part VII., Sections 87, 88, 89 and 90 of part VIII.

Section 91 of part IX. and the whole of part X. Adopted under Orders made by the Local Government Board. 12th June, 1911, 8th November, 1916; the Minister of Health, 19th March, 1920, 27th January, 1928, 8th August, 1929 and H.M. Secretary of State, 7th August, 1929.

Public Health Act, 1925. Adopted December, 1927:— Part II. (with the exception of Section 21 and 22): Parts III., IV. and V.

Order made by the Minister of Health 13th February, 1928.

Under the Public Health Act, 1936, a number of whole Parts and Sections of the above Acts are repealed. Below I give details of the Parts and Sections repealed.

Public Health Acts (Amendment) Act, 1890:—
In Part I. (General)—Sub-section (1) of Section eleven.
In Part III. (Sanitary and Other Provisions)—Sections sixteen to twenty-seven, thirty-two, thirty-three, thirty-six and forty-seven, and in Section fifty the words from "Section sixteen" to "Certain sanitary purposes," and the words from "Section thirty-two" to the end of the section.

Infectious Diseases (Prevention) Act, 1890:— Sections five to fifteen and seventeen.

Public Health Acts (Amendment) Act, 1907;— In Part I. (General)—In section one the references to Part III. (Sanitary Provisions) and Part V. (Common Lodging Houses) of the Act. In Part II. (Streets and Buildings)—Sections fifteen and sixteen in so far as they relate to buildings; sections twenty-three to twenty-seven, and in section thirty-three the word "or in any byelaws to be made under any enactment extended by this Part."

Part III. (Sanitary Provisions)—the whole Part.

In Part IV. (Infectious Diseases)—Sections fifty-two

and fifty-five to sixty-eight.

Part V. (Common Lodging Houses)—The whole Part. Part VII. (Police)—Section eighty-two, so far as regards matters with respect to which byelaws can be made under Part VIII. of this Act.

In Part X. (Miscellaneous)—Sections ninety-two and

ninety-three.

Public Health Act, 1925.

In Part I. (Preliminary )—In sub-section (2) of Section one the words from "and the Baths and Washhouses" to the end of the sub-section; in sub-section (3) of the said section the words from "and Part IX." to the end of the sub-section, and in sections one to five any reference to Part III., Part IV., Part V., Part VII., or Part IX. of the Act; sections nine, eleven and twelve. In Part II. (Streets and Buildings)—Section twenty. In Part III. (Sanitary Provisions)—The whole Part. In Part IV. (Verminous Premises, etc.)—The whole Part. Part V. (Watercourses, Streams, etc.)—The whole Part. Part VII. (Infectious Disease and Hospitals)—The whole Part.

In Part VIII. (Miscellaneous)—Sections sixty-six, sixty-seven, and seventy-three; paragraph (a) of section seventy-seven, except so far as material for the purposes of any unrepealed enactment in the Public Health Act, 1875, or any Act directed to be construed therewith; section seventy-eight and section eighty in so far as it relates to water pipes.

Part IX. (Baths and Washhouses)—The whole Part. In Schedule I,, the references to Part III. of the Act

and to section forty-four.

In Schedule II. the references to Part III. of the Act and to sections thirty-nine and forty-four. Schedule V.

# SANITARY CIRCUMSTANCES OF THE DISTRICT.

Water Supply.—The water supplied to the District is from the Southport and District Water Board. The sources of supply are four pumping stations with deep wells headings and boreholes sunk in the new red sandstone formation. There are three covered Reservoirs, which have a combined capacity of 6 million gallons. They are situated at Gorse Hill, Aughton.

The supply is constant and there is little possibility of contamination, and no shortage has been experienced. The water is hard and is classified as a Temporary Hard Water, *i.e.*, the hardness can be removed by boiling. Being of a hard nature there is no fear of any plumbosolvent action. The average domestic consumption, excluding meter supplies, for the year was approximately 24 gallons per head per day, and the total consumption 32 gallons per head per day.

On the outskirts of the district 17 houses procure their water supply from 13 wells, and 2 houses owned by the Railway Company have their supply brought twice a week in tanks.

Two samples from the mains and two samples from wells were submitted for Bacteriological examination.

One sample from the mains and one sample from a well were submitted for chemical examination.

Overleaf is a copy of the latest Analyses made on behalf of the Southport and District Water Board of samples of water taken from the Pumping Stations, etc.

# SOUTHPORT AND DISTRICT WATER BOARD.

Copy of Analyses of Samples of Water taken from the Pumping Stations, etc., on 26th April, 1938.

14, Portland St. Southport	Clear & bright  Normal  Nil  Neutral 7.2 2.0 37.50 — 37.50 — Absent Absent Absent Absent Absent 19.6 19.6
Blundell House 14, Portland St. P.S. (Filtered)	Clear & bright  Normal  Noil  Neutral 6.8  2.4  20.00  —  Absent  Absent  Absent  0.0000  0.015  4.5  9.5  14.0  9.8
Scarth Hill P.S.	Clear & bright  Normal  Normal  Nil  Faint acid 5.7  5.5  20.50  Absent  Absent Absent Absent  10.5  0.000  0.000  10.5  10.5  7.3
Bickerstaffe P.S. (Filtered)	CHEMICAL RESULTS IN FARIS FER 100,000           Bright, very         Clear & bright         Clear & bright           av nimeral articles         Normal Nil         Normal Nil           Vormal Vil         Normal Nil         Normal Acid Esort           Vormal Vil         Normal Nil         Normal Acid Esort           Vormal Vil         Normal Nil         Normal Acid Esort           Val         Normal Nil         Normal Acid Esort           Val         Absent Acid Absent Acid Absent         Normal Absent Acid Absent Acid Absent           Vol         No         No         No           Vol         0.000         0.000         0.000           Vol         0.000         0.000
Springfield P.S.	Eright, very few mineral particles Normal Nil Nil Normal Neutral 7.3  2.6  43.50  ———————————————————————————————————
Halsall Lane P.S.	Clear & bright  Normal  Normal  Nil  Neutral 6.8  3.1  31.30  —  Absent  Absent  Absent  0.000  0.005  8.0  17.0  25.0  17.5
	Appearance

		8	\$1	6	1	100 c.c.		100 c.c.
		m	2	9	;	100 c.c.		100 c.c.
C RESULTS.		7	3			100 c.c.		100 c.c.
BATCERIOLOGICAL RESULTS.	!	3	2	8		100 c.c.		100 c.c.
I		7		2		100 c.c.		160 c.c.
			0	0	Ì	100 c.c.		100 c.c.
	No. of Bacteria per c.c.—	On Agar in 3 days at 20° C	1 day at 37° C	2 days at 37° C	The Bacillus Coli. Presedt in	Absent in	Bacillus Welchii Present in	(B. Enteritidis Sporogenes) Absent in

# REPORTS.

The water is hard in character, but not unduly so, contains no excess of saline or mineral matter in solution, no metals, and is of a high degree HALSALL LANE.—This sample is clear and bright, of normal colour, and approximately neutral in re-action. organic and bacterial purity. J O

It is, therefore, considered pure and wholesome water, suitable for purposes of public supply.

SPRINGFIELD.—This is a reasonably clear and bright water, and of normal colour and contains only a few particles of mineral debris in suspension.

It is very hard in character, although not to an excessive degree, contains no excess of salinity, and is of a high degree of organic and bacterial The water is neutral in re-action, but contains a distinct trace of Free Carbonic Acid, and a minute trace of iron, but no manganese.

We regard the water as pure and wholesome in character, and suitable for the purposes of public supply

BICKERSTAFFE.—This sample is clear and bright and of normal colour.

The water is neutral in re-action, very hard in character, contains no excess of saline or mineral matter in solution, and is free from metals. It is of a high standard of organic and bacterial purity, and is considered pure and wholesome water, suitable for purposes of public supply:

SCARTH HILL.—This is a clear and bright water, of normal colour. It contains an appreciable trace of free carbonic acid, and is acid in re-action.

The water is of moderate hardness, contains no metals, no excess of saline or mineral matter in solution, and is of a high degree of organic and bacterial purity.

It is, therefore, considered pure and wholesome water, suitable for drinking and domestic purposes.

The water contains no iron or manganese; is of moderate hardness, contains no excess of saline or mineral matter in solition, and is of a high BLUNDELL HOUSE.—This sample is clear and bright, of normal colour and approximately neutral in re-action.

It is, therefore, an efficiently filtered water, pure and wholesome in character, and suitable for the purposes of public supply. degree or organic and bacterial purity

he water is neutral in re-action, hard in character, although not to an excessive degree, contains no excess of slaine or mineral matter in solution; 11, PORTLAND STREET, SOUTHPORT. This sample is clear and bright and of noraml colour.

and is free from metals.

It is of the highest standard of organic and bacterial purity and is pure and wholesome water, suitable for drinking and domestic purposes;

STREAMS AND WATER-COURSES.—These have been cleansed where necessary by the owners or occupiers of adjoining A certain amount of pollution takes place in the unsewered area of the District, due to the percolation and discharge of sewage from cesspools, and during the year it was found necessary to serve three notices to prevent pollution.

Drainage and Sewage.—Careful attention is given to the drains and sewers, and every complaint is attended to without delay. The Sewage System is by gravitation and Septic Tank treatment. The outfall from the tanks discharges into the sea. The sewers are flushed regularly. All new drains are tested and existing drains are tested Drains are flushed when found when necessary. necessary.

The extension of sewers to the unsewered areas of the District is of vital importance. The Council fully appreciate this necessity, and further extension are contemplated in the near future.

In the sewered area 16 houses have had the drains connected to the sewers and their cesspools abolished, and 14 new houses have been drained to the sewers.

CLOSET AND ASHPIT ACCOMMODATION.—There still exists in the District a number of Privy Middens, Pail Closets and Dry Ashpits. As these are situated chiefly in the unsewered area no definite policy has been laid down for conversions, and each case is treated on its merits.

All new property is provided with fresh W.C.'s and Sanitary Ashbins made of galvanized iron and fitted with covers.

00 . 01 01		
Privy Middens—Number of middens		40
Number of pail closets		
Number of fresh water closets		2420
Number of waste water closets		Nil
Number of closets attached to these Mide	dens	40
Number of dry ashpits (excluding midder	ns)	162
Number of moveable ashbins for refuse		2283
Conversions—	During year 1937.	During five years 1932-36.
Number of Privy Closets:		
To fresh W.C.'s	Nil	Nil
To waste W.C.'s	Nil	Nil
To pails, etc	1	26

To pails, etc. .. ..

Number of Pail Closets:		
To fresh W.C.'s	3	130
To waste W.C.'s	Nil	Nil
Number of Waste W.C.'s:		
To fresh W.C.'s	Nil	Nil
Number of houses at which		
moveable ashbins have been		
substituted for fixed recep-		
tacles	4	74

Public Cleansing.—The scavenging of the District is carried out by the Council's staff with the exception of pail closets and cesspools. Pail closets are emptied by contract, and cesspools by the owners.

All adopted streets are scavenged at least once per

week.

Ashbins, ashpits and pail closets are emptied weekly. All ashbins and ashpit refuse is removed in covered motor vehicles to the Council's Destructor, which is situated in Altcar Lane, adjacent to the Sewage Works. The contents of pail closets are removed in a covered tank cart, horse drawn, and deposited on a tip away from the residential area.

Sanitary Inspection of the Area.—A statement showing the number of premises visited, defects and nuisances discovered, and the action taken, etc., will be found in the Sanitary Inspector's Report.

Schools.—The sanitary conditions of the schools are fairly satisfactory. During the summer vacation all schools were inspected and disinfected.

# ERADICATION OF BED BUGS.

No. of houses found to be infested:—

Council Houses
None
Two

No. of houses disinfested:—

Council Houses
None
Other Houses
Two

The methods employed—Cimex or Bacterol Fumigation,

and a Paraffin Oil preparation for spraying.

The work of disinfestation is carried out by the Local Authority, and where disinfestation has been carried out the tenants are kept under supervision and advised on the various ways of preventing re-infestation, and particular stress is laid on cleanliness.

#### HOUSING.

The Council have now erected under the Housing Acts 86 houses, four in Brows Lane, sixteen in Watchyard Lane, fourteen in Whitehouse Lane, twenty in Whitehouse Avenue and thirty-two in New Road.

The sanitary condition of many houses has been improved and a number of structural repairs have been carried out under the Public Health and Housing Acts. The number of houses that require attention is being steadily reduced; good progress has been made, and generally speaking the housing conditions of the district are fairly good. On the 31st December, 1937, according to the Rate Book the number of houses in the district was 2,463, of which 108 are unoccupied. Total occupied houses 2,355.

Number of new Houses erected during the year:-

- (a) Total (including numbers given separately under (b)—24.
  - (1) By Local Authority—Nil.
  - (2) By other Local Authorities—Nil.
  - (3) By other Bodies or Persons—24.
- (b) With State assistance under the Housing Acts—
  - (1) By the Local Authority—Nil.
  - (2) By other Bodies or Persons—Nil.

### Dwelling Houses-

### Inspections:

- (1) a Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)—25.
  - b Number of inspections for this purpose 27.
- (2) a Number of dwelling-bouses (included under subhead (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925—5.
  - b Number of inspections for this purpose.—5.
- (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human inhabitation—1.
- (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation—11.

Remedy of defects during the year without service of formal Notices—

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers—9.

# Action under Statutory Powers during the Year-

- A.—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936—
  - (1) Number of dwelling-houses in respect of which notices were served requiring repairs—nil.
  - (2) Number of dwelling-houses which were rendered fit after service of formal notice:—
    - (a) By owners—nil.
    - (b) By Local Authority in default of owners—Nil.

# B. -Proceedings under Public Health Acts-

- (1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied—2.
- (2) Number of dwelling-houses in which defects were remedied after service of formal notices—
  - (a) By owners—2.
  - (b) By Local Authority in default of owners—Nil.

# C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936—

- (1) Number of dwelling houses in respect of which Demolition Orders were made—Nil.
- (2) Number of dwelling houses demolished in pursuance of Demolition Orders—Nil.
- (3) Number of dwelling houses demolished in anticipation of formal procedure—1.

# D.—Proceedings under Section 12 of the Housing Act, 1936—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made—Nil.

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit—Nil.

E.—Proceedings under the Housing Act, 1936. Overcrowding—

- (a) (i) Number of dwellings overcrowded at end of vear—2.
  - (ii) Number of families dwelling therein—3.
  - (iii) Number of persons dwelling therein—16.
- (b) Number of new cases of overcrowding reported during the year—1.
- (c) (i) Number of cases of overcrowding relieved during the year—5.
  - (ii) Number of persons concerned in such cases—29.

# INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY.—All cowsheds and dairies in the District have been visited regularly and the general conditions are very fair. Advice is given to cowkeepers respecting the alterations and improvements necessary to existing cowsheds to make same comply with the Milk and Dairies (Consolidation) Act, 1915, the Milk and Dairies (Amendment) Act, 1922, and the Milk and Dairies Order, 1926. Much has been done and in every case the cowkeepers and milk purveyors are very anxious to do everything possible to ensure a good clean milk supply in the District, and the improvements are being carried out gradually.

The Milk (Special Designations) Order, 1936.

No. of dealers' licences (including supplementary licences) iasued by the local authority during 1937, in respect of:—

"Tuberculin Tested" milk:

(1) Bottling—Nil.

- (ii.) Distribution—one supplementary licence.
- " Accredited " Milk:

(i.) Bottling—Nil.

(ii.) Distribution—Nil.No. of licences issued in respect of "Pasteurised"

milk:—
Pasturising plants—Nil.

Retail distributors—one supplementary licence.

During the year 18 milk samples were submitted tor biological tests for tuberculosis and 22 samples for

Bacteriological examination.

In every case the Biological test for tuberculosis proved negative and there was a marked improvement in the B. Coli. and Bacteriological count.

Sediment tests were applied to 14 samples. Twelve

proved satisfactory and  $\bar{2}$  unsatisfactory.

MEAT, ETC.—All shops, etc., where food is prepared or exposed for sale are inspected regularly. About 42 lbs. of unwholesome meat was surrendered and destroyed.

Adulterations, Etc.—Samples are taken under the Food and Drugs Acts by the County Police, and the following particulars for the year have been furnished by Mr. Superintendent Jackson, Lancashire Constabulary:—

The following samples were taken and submitted for analysis:—

Milk 16, Cocoa 1, Margarine 1, Pepper 1, Butter

(Danish) 1, Lard 1, Cheese, Šugar 1.

One person was proceeded against and convicted under the Food and Drugs (Adulteration) Act, 1928.

#### DISEASES OF ANIMALS ACTS.

The following particulars have been supplied by Mr. Superintendent Jackson, Lancashire Constabulary:—

No proceedings were instituted under the Disease of

Animals Acts.

# PREVENTION OF AND CONTROL OF INFECTIOUS DISEASES.

INFECTIOUS DISEASES NOTIFIED.—During the year 44 cases of infectious (other than tuberculosis) diseases were notified and 25 of these were removed to hospital. This is an increase of 23 on last year. The average for the past five years 1932–36 is 25.2, and the rate per thousand of the population for the year 1937 us 5.1.

All contacts were kept under observation and no Scarlet Fever "return cases" were discovered. The removal to hospital and all disinfection was carried out in a very efficient manner under the supervision of the Sanitary Inspector.

During the year 54 houses and 6 schools were disinfected, the methods employed being Formalin fumigation and spray. All articles (bedding, clothing, &c.) exposed to infection are removed to and disinfected at the Council's Disinfecting Station in a Bacterol Disinfector, and the articles so treated numbered 1492, and 14 articles were destroyed by request of owners.

All new residents at the Peter's College and St. George's Industrial School, are immunized against Diphtheria. In future all new residents at St. Peter's College will be immunized against Scarlet Fever, also, a number of those now residing there have been immunized.

The parents or guardians of children attending the elemenary day schools were advised by letter to have their children immunized against Diphtheria, and the total number immunized was 476. Under 7 years of age 114; over 7 years of age, 362.

The parents or guardians of children attending private schools were also advised by letter to have their children mmunized against Diphtheria. The response was very good.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING THE YEAR, 1937.

II.	Total Cases removed Deaths in to Hospital Iospital of person com the belonging istrict to District.	1	61	1		63
Hospital.	Total Cases removed Deaths in to Hospital Hospital of persons from the belonging District to District.	ıo	20	I	I	25
[1	Total Deaths. as per figures supplied by 65 & Registrar Over General	1	61	10	l	
	65 & <sub>E</sub>	1	1	73	I	2
	45-65	1	I		0	4
	3545	1	1		I	
	20—35		-	$\overline{}$	1	co
	65 & 5—10 10—15 15—20 20—35 35—45 45—65 over		I	1	1	
TED.	0-15	67	6	_	I	12
NOTIFIED. ARS.	5—10 1	9	10	<del>,</del> (	I	17
4	- 4	l	<del></del>	i	1	
TOTAL CASES YE	2-3 3-4 4-5	,	yeared	_	1	8
To	2-3		1	1	I	1
	1-2	1	j	1	I	
	Under 1—2	1	1	I	1	
	Total Cases at all Ages.		22	$\infty$	8	44
		l E		•	• • •	
	"NOTIFIABLE" DISEASES.	Scarlet Fever	Diphtheria	Pneumonia	Erysipelas	Totals

#### TUBERCULOSIS.

The total number of cases notified was fourteen (pulmonary seven and non-pulmonary seven). The average for the past ten years is 8.6, and the rate per 1000 of the population for the year 1937 is 1.7. On the 31st December, 1937, the total cases remaining on the Register numbered 54. Six cases have received treatment in County Sanatoria, and others have received treatment at the Local Dispensary, 7, Claremont Road, Seaforth, Liverpool.

The Tuberculosis Health Visitor paid 98 visits to patients' homes for the purpose of supervision.

The notification of Tuberculosis is quite efficient and it has not been found necessary to take any action for wilful neglect or refusal to notify.

It has not been found necessary to take any action under Articles 3, 5, 6 and 7 of the Public Health (Prevention of Tuberculosis) Regulations, 1925, which relate to tuberculous employees in the Milk Trade or under Section 62, Public Health Act, 1925, or Section 172 Public Health Act, 1936, which relates to the compulsory removal of a tubercular case to Hospital.

NEW CASES AND MORTALITY DURING 1937.

		NEV	v Case	s No	RE	DEATHS as per the REGISTRAR GENERAL RETURNS				
Age—Periods. Years.	•	Pulmo M	onary. F.	Pulmo M.	nary.	Pulmo M.	nary. F.	Nor Pulmo M.	nary F.	
0-1		_					_		_	
1-5		_	_	_	1		_			
5-10		-		1	_		_			
10 - 15		_		_	1			-	_	
15 - 20			_	_				_	_	
20 - 25		1	2	1		1	-	_		
25 - 35		_	2	1	1	1	1			
35 - 45		_						_	-	
45 - 55		_	1				_		_	
55 - 65		-	1	1	_	_	1	1	079A	
65 &										
upwar	ds	_		_	and or Hill	_	_	-		
		1	6	4	3	2	2	1	_	
Totals	• •	7		7		4		1		

# INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES. Including Inspections made by Sanitary Inspectors or

Inspectors of Nuisances.

PREMISES.	PREMISES.						
(1)			(2)	(3)	Prosecuted (4)		
Factories (including Laundries)			8				
shop Laundries).			43	1	_		
Workplaces (other that workers premises)							
Total			51	1			
Defects found in Fact	orie	es, Wo	orkshops	and W	orkplaces.		
PARTICULARS.	-		Number of Remedied	of Defects Referred l to	Number of		
(1)		(2)	(3)	(4)	(5)		
Nuisances under the Pul Health Acts—*	olic						
Want of cleanliness		1	1				
Want of ventilation					-		
Overcrowding Want of drainage of	• •				and transmiss		
floors							
Other nuisances Sanitary	• •	3	2		MA-SHIPME		
accommodation—							
Insufficient							
Defective		1	1				
Not separate for Se	xes		-	_			
Total		5	4				

<sup>\*</sup> Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1501, as remediable under the Public Health Acts.

# MATERNITY AND CHILD WELFARE.

CHILD WELFARE.— The Formby Child Welfare Centre is administered by the County Council in conjunction with a Local Ladies' Committee.

The premises are situated at 25, Chapel Lane, and a clinic is held every Wednesday afternoon from 2 p.m. to 4 p.m. for children under five years of age.

The Superintendent attends weekly and the Medical Officer fortnightly.

During the year there were 179 children on the register, and the average attendance per week was 51. The total attendances for the year numbered 2,395, of which 1220 were infants under 1 year of age.

An ante-natal clinic is held on alternate Thursdays, from 2 p.m. to 4 p.m.,  $53 \text{ attendances were made by } 32 \text{ expectant mothers, an average of } 5\frac{1}{2} \text{ per Session.}$ 

Medical Officer: Dr. Winnifred M. Gray, Assistant County M.O.H.

Superintendent: Nurse G. M. Hughes, Health Visitor and School Nurse for the District.

Consultant Obstetrician: Mr. Mackintosh Marshall.

Joint Hon. Secretaries and Treasurers of the Ladies' Committee:

Miss S. C. Rathbone,
"Dyke House,"
St. George's Road,
Formby.

Miss Ruth Parker,

"Bredon,"

Old Town Lane,

Formby.

M. G. GARRY,

L.R.C.S., L.R.C.P., L.M.,

Medical Officer of Health.

# Sanitary Inspector's Annual Report.

1937.

Council Offices,
Formby,
April, 1938.

To the Chairman and Members of the Formby Urban District Council.

GENTLEMEN,

I beg leave to submit my Annual Report of work done and matters attended to for the year ending 31st December, 1937.

#### Inspection of District.

During the year 126 inspections were made of properties in the District and 155 re-inspections.

Where it was deemed necessary the smoke test was applied to the drains and many defects were discovered which would not have been found by superficial examination. The test was applied for initial tests and re-tests 17 times.

#### SANITARY SURVEY.

One sanitary survey was carried out and report rendered, for which the usual fee was charged.

#### Notices Served.

During the year 73 preliminary notices with respect to various nuisances were served on the owners or occupiers, and in many cases received prompt attention. In 11 instances nuisances were reported to the Health Committee and Statutory Notices were ordered to be served. It was found necestary to serve Statutory 5 Notices.

# Housing Inspections under the Public Health or Housing Acts.

During the year 25 houses were inspected in the District and 28 re-inspections were made. A number of structural defects have been remedied and sanitary improvements carried out. One house has been demolished in anticipation of formal procedure.

The progress made during the year is very satisfactory.

#### NOTICES SERVED.

In 11 cases preliminary notices were served on owners, and in the majority of cases received prompt attention. In 3 instances defects were reported to the Health Committee and Statutory Notices were ordered to be served. The work was eventually carried out after the service of statutory notices.

#### INFECTIOUS DISEASES AND DISINFECTION.

During the year 58 cases of infectious disease were reported and 45 visits and re-visits have been paid to houses where infectious diseases occurred. Inquiries were made and 30 notices sent to Schools, Parents and Dairymen. Instructions were given by the Medical Officer for the removal of 25 patients to Bootle Infectious Diseases Hospital.

At dwelling-houses 116 rooms were disinfected, and where necessary the walls were stripped and cleansed. At the Disinfecting Station 1492 articles i.e. (Bedding, clothing etc.) were disinfected and 14 articles were destroyed at the request of the owners.

The schoolrooms at six schools were disinfected during the summer vacation. Altogether 39 rooms were disinfected, also the furniture and fittings. 14 rooms and 114 articles of clothing, bedding, etc., were disinfected, and 21 articles were destroyed by request and the cost charged to the owners.

In every case of infectious disease disinfecting fluid has been supplied free.

TABLE OF INFECTIOUS DISEASES FOR THE YEAR COMPARED WITH LAST YEAR.

	1937.					1936				
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Scarlet Fever Diphtheria Pneumonia . Erysipelas Paratyphoid	4 4 –	- 2 2	4 5 - -	3 17 2 1	11 22 8 3	1 - 5 -	2 2 1 -	1 - 1 1	4 - 2 -	8 2 9 1
Fever Tuberculosis	2	6	1	5	14	- 6	1 3	- 1	- 1	1 11
	10	10	10	28	58	12	9	4	7	32

#### COWSHEDS AND DAIRIES.

There are now on the Register 21 cowkeepers and dairymen, 25 retail purveyors of milk, and 21 farms or other premises used as Dairies. During the year 86 inspections have been made and the requirements of the Milk and Dairies Orders pointed out to those concerned.

THE MILK (SPECIAL DESIGNATIONS) ORDER, 1936.

One Supplementary Licence has been issued to retail "Tuberculin Tested" Milk.

One Supplementary License has been issued to retail "Pasteurised Milk."

At one farm the following improvements have been carried out. Floors relaid and drained, Boskins renewed and repaired, lighting and ventilation improved, new dairy and cooling room constructed, boiler and steriliser fixed.

Six cowsheds are fitted with automatic drinking bowls for the cows, and at one farm electric milking plant is installed.

## Inspection and Examination of Food.

During the year 22 milk samples have been submitted to Professor Wright (Liverpool) for bacteriological examination. Baccilli Coli was found to excess in three samples. A copy of the bacteriological report was sent to each cowkeeper, and where the Colon Baccilli in Cubic Centimetres was too high the necessary steps were taken to have the cause removed. Sediment Tests were applied to 14 samples. Result—Satisfactory 12, unsatisfactory 2.

The Colon Baccilli, with the exception of the three cases mentioned above, and the Bacteriological Count was lower in every case, which is a marked improvement.

During the year 17 visits were paid to butchers' shops and slaughterhouses, and visits to farms, etc., where slaughterings are carried out.

There are now 11 butchers' shops on the Register, and 8 meat shops are equipped with electric refrigerators of the "Frigidair" type. These refrigerators are a great asset and do much to ensure a sound meat supply.

## FACTORY AND WORKSHOP ACT, 1901.

Inspections have been made in all factories, workshops and laundries in the district. In all 39 visits were paid.

#### BAKEHOUSES.

Inspections have been made at all bakehouses in the district. In all 19 visits were paid. The general condition of the bakehouses in the district is very satisfactory. The following defects were found in bakehouses and were remedied:—Premises requiring limewashing, 3.

#### House Refuse.

(1) The removal of house refuse is carried out by the Council's own staff with the exception of pail closets, which are emptied under contract. The bins and ashpits are emptied weekly and the refuse removed in covered motor vehicles to the Council's Destructor, which is situated close to the Council's sewage works. Shop refuse deposited in bins is also removed weekly and conveyed to the destructor. Pails are emptied weekly, and the contents removed in a covered tank cart, horse drawn, and disposed of on a tip provided by the contractor away from the residential area. Details of emptying given on next page.

# House Refuse—(continued).

No Emptied. (2)		ds. Appro	Approx. Weight.						
Ashpits & Bins 120640	1250	2343	22/13						
Pails 14352	130	195	1	.0					
134992	1380	2538	1	.0					
(3) REFUSE REMOVAL ON CHARGE.									
No. of Loads. Approx. Weight.									
	·	трргох	· ***C181						
29		Tons 72	Cw						
SUMMARY OF WO	RK OF	DEPART	MENT						
Description of Work—				ımber					
Houses and other properties	inspected		140	126					
Houses and other properties	re-inspect	ted		155					
Drain test and re-tests			••••	17					
Visits to workshops and factor	ories			39					
TY 7 *	****	• • • • • • • • • • • • • • • • • • • •	****	19					
	****	*****		11					
Visits to slaughterhouses, far	ms, &c., v	where slaug	hter-						
ings were carried out	****		****	6					
Visits to cowsheds and dairies		••••		86					
Milk samples sent for bacteric	ological e	xamination	1S	22					
		••••	••••	73					
Statutory notices served		••••	••••	5					
Inspections due to infectious	disease	••••		45					
Tuberculosis enquiries	••••	••••	• • • •	26					
Notices sent to schools and p		••••	••••	30					
Rooms fumigated		••••	****	116					
Rooms sprayed Articles disinfected at Disinfe	Sta	tion	****	21					
A 1 1 1 1 1 1	~		****	1492					
Schoolrooms disinfected	•••••			14					
Rooms disinfected on charge	****	••••	••••	39 14					
Articles destroyed on charge	*****	****	••••	21					
Articles disinfected on charge		••••		114					
Cases of infectious disease rep	, ported un			58					
Verminous Premises Fumigat	ted, two	houses m		90					
of rooms				14					
Houses inspected for Housing		(under Pu	blic	A A					
Health or Housing Acts)			****	25					
Inspections and re-inspections	s		****	53					
Number of Houses Demolish			*****	1					

Summary of Work of Department—(continued)					
Preliminary Notices served Statutory Notices served					$\frac{11}{3}$
Visits for the purpose of takin					38
Smoke observations				••••	21
Sanitary surveys and reports	****			****	1
			••••	****	49
DETAILS OF SANITARY IN DURING				FECT	ED
$\mathrm{D}_{\mathrm{R}}$	AINS.				
Cesspools abolished and drains	connec	eted to s	sewer		16
Defective drainage reconstruct				****	3
Fresh Air inlets provided		••••	****		2
Drains choked—opened and cl				••••	23
Cesspools repaired and properl	y venti	lated			
Improper disposal of sewage fi					3
					2
Iron Manhole covers and frame ones and flag covers	es fixed				3
Water Closets, Soil Sha	Pipes Afts.	AND \	<sup>7</sup> ENTIL	ATING	
Choked closets opened and cle	ansed				7
Defective closets replaced				••••	
Defective closet walls, roof, flo				****	2 2
Defective soil pipes made good					11
Defective ventilating shafts m	ade goo	od		****	2
Choked ventilating shafts clea		* * * *	••••		9
Wast	E PIPE	S.			
	1 1	. 1	J		9
Defective waste pipes trapped	and m	ade goo	Da	****	$\frac{2}{10}$
Choked waste pipes cleared	****	* * * *	****	****	10
Water	SUPPL	Υ.			
Defective water pipes repaired	1				2
Rain water tanks repaired and			****		
Defective rain water tank abo	olished	****			1
Water Samples submitted to		-	••••		4 2
Water Samples submitted to	Bacteri	ologist			2
House provided with Town's	supply:	and wel	l abolis	shed	1

Ashpits, Bins, Privies	and P	AILS.		
Ashpits abolished and bins provided		****	****	4
Privies abolished and pails provided	****	****	••••	1
Privy walls, roofs and floors repaired	****	****	••••	$\hat{1}$
Privies limewashed and cleansed		****	****	$\overset{1}{2}$
Pails abolished and W.C.'s provided	* * * *	••••	****	3
Defective bins replaced	****	****	****	
Defective mails manle and	****	****	* * * * *	$\frac{21}{7}$
Defective pairs replaced	•••••	****	****	7
Constant of De-				
STRUCTURAL DEF				
Defective roofs repaired				9
Defective gutters and rain water pipes	s repair	red		8
Choked gutters and rain water pipes of	cleared			22
Defective plastering and ceilings made	boog s		****	1
Defective walls pointed	-	****	****	$\hat{2}$
Defective floors made and			****	$\bar{1}$
Defective damp proof courses made go	ood	****	****	1
Defective windows repaired and made	to one		• • • • •	3
Dofooties Car alassa 1	_	511	****	
Defections observed 1	****	****	****	4
		****	****	2
	• • • •	****	****	1
Defective doors and frames				2
Defective yards repaired and made to	drain	properly	У	2
Miscellaneo	ous.			
Filthy outbuildings cleansed				3
Nuisance from improper keeping of ar	imals :	abated	*****	1
Accumulation of offensive matter		abacoa	****	6
Nuisances caused by the pollution	of wate	er cour	SAS	O
abated	or wall	or cour	503	3
Assistance rendered for the suppressio	n of ra	te	****	4
Rats destroyed	II OI Ia	13	****	37

Yours faithfully,

JOHN HODGE,
A.I.A.S., M.R.S.I., F.F,Sc.

Sanitary Inspector.





